Nathan Joseph Savas

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Education

California State University, Long Beach *Exp. Graduation: May 2021*
Bachelors (B.S) In Computer Science *Concentration GPA: 3.67*
Relevant Coursework: Data Structures & Algorithms, Object Oriented Application Development, Database Fundamentals, Computer Architecture, Intro to Software Engineering, Multivariable Calculus

Experience

Siemens PLM Software *Cypress, CA*
Software Development Intern *May 2019 - Present*

- Worked on the NX CAD cloud team to develop a design validation tool that allows user to consolidate and quickly assess their design data
- Created a web application using the NX JavaScript SDK to run user configured reports and organize results within a tree table
- Designed a UI to open and close CAD files as well as interact with designs within a 3D viewer

Perfect Score Academy *Cypress, CA*
Computer Science Instructor *March 2018 - May 2019*

- Designed and delivered a 12-week computer science course for a class of fifteen K-12 students to promote computer science education within the community
- Analyzed and debugged code (Python) written by students and provided feedback
- Worked closely with students to develop in class projects and teach fundamental programming concepts

Projects

US City Chemical Release Visualizer
JavaScript, PostgreSQL

- Leading a team of 3 in creating a web application with React.js to visualize over 30 years of EPA chemical release data (~5GB) within a given US city
- Implemented a RESTful API to easily create queries from a PostgreSQL database
- Used the Mapbox JS SDK to render results in a map interface and React-Vis to create insightful visualizations for the user to explore

Spot A Bubble
JavaScript

- Developed a web application with React.js to allow Spotify users to visualize their top genres and artists
- Used JavaScript and D3.js to render an interactive bubble chart that scales bubble radius based on user listening data

Skills

Programming Languages: Java, JavaScript, Python, C++, SQL, HTML, CSS, Assembly

Frameworks/Tools: Git, Node, React, D3, PostgreSQL, Matplotlib, Pandas, Numpy, Sci-Kit Learn, Jupyter Notebooks, Visual Studio, Visual Studio Code, Eclipse